

## PERSONAL INFORMATION Irene Sfougataki, Biologist

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Sex Female | Date of birth 01/05/1990 | Nationality Greek

## WORK EXPERIENCE

5/2018-today Bone Marrow Transplant Unit laboratory, Aghia Sophia Children's Hospital in Athens (Greece), in contract with the Research Institute for the Study of Genetic and Malignant Disorders in Childhood in Athens (Greece).  
Hematopoietic stem cell processing and cryopreservation. Chimerism testing after bone marrow transplantation with molecular techniques.

3/2015-4/2020 Secretarial assistance in pediatric medical office.

5/2014-5/2016 Bone Marrow Transplant Unit laboratory of Aghia Sophia Children's Hospital in Athens (Greece) and Research Institute for the Study of Genetic and Malignant Disorders in Childhood, Aghia Sophia Children's Hospital, Athens (Greece).

Project: Generation, expansion, storage and differentiation of induced pluripotent stem cells.

- Human embryonic, induced pluripotent and mesenchymal stem cell cultures.
- Isolation of mononuclear cells from bone marrow and peripheral blood samples.
- Cryopreservation.
- Molecular characterization of cell lines.
- PCR (STRs, VNTRs), RT-PCR.
- Capillary electrophoresis and fragment analysis

## EDUCATION AND TRAINING

26/11/2014-today PhD student in the Department of Medical Genetics, Medical School, University of Athens, Greece.  
Thesis title: "Development of a clinically compliant protocol for the differentiation of human induced pluripotent stem cells into mesenchymal stem cells".

9/2013-3/2014 Training in Bone Marrow Transplant Unit laboratory of Aghia Sophia Children's Hospital, Athens (Greece). Cell cultures of different types of adult and pluripotent stem cells.

9/2008-2/2014 Department of Biology, School of Science, National and Kapodistrian University of Athens, Athens (Greece).

## PERSONAL SKILLS

Mother tongue Greek

## Other languages

### English

- First certificate in English, University of Cambridge
- Certificate of competency in English, University of Michigan
- Advanced level certificate in English, University of Michigan

## Awards

### **26<sup>th</sup> Annual Meeting of the Hellenic Society of Haematology, 12-14 November 2015, Athens, Greece:**

Clinically compliant generation of human mesenchymal stromal cells from induced pluripotent stem cells. I.Sfougataki, I.Varela, A.Karagiannidou, M.Roubelaki, M.Tzetis, K.Stefanaki, V.Kalodimou, I.Grafakos, E.Kanavakis, S.Grafakos, E.Goussetis.

### **Award with “Faidon Fessas” Prize for new researchers**

## Publications

### **Proliferative and chondrogenic potential of mesenchymal stromal cells from pluripotent and bone marrow cells**

Irene Sfougataki, Ioanna Varela, Kalliope Stefanaki, Angeliki Karagiannidou, Maria G. Roubelakis, Vasiliki Kalodimou, Ioanna Papathanasiou, Joanne Traeger-Synodinos, Sofia Kitsiou-Tzeli, Emmanuel Kanavakis, Vasiliki Kitra, Aspasia Tsezou, Maria Tzetis, Evgenios Goussetis [[Histology and Histopathology, accepted manuscript](#)]

### **Therapeutic Effects of Mesenchymal Stem Cells Derived From Bone Marrow, Umbilical Cord Blood, and Pluripotent Stem Cells in a Mouse Model of Chemically Induced Inflammatory Bowel Disease.**

Kagia A, Tzetis M, Kanavakis E, Perrea D, Sfougataki I, Mertzanian A, Varela I, Dimopoulou A, Karagiannidou A, Goussetis E. *Inflammation*. 2019 Oct;42(5):1730-1740. doi: 10.1007/s10753-019-01033-x.

### **Reprogramming of bone marrow derived mesenchymal stromal cells to human induced pluripotent stem cells from pediatric patients with hematological diseases using a commercial mRNA kit.**

Irene Sfougataki, Ioannis Grafakos, Ioanna Varela, Anastasios Mitrakos, Angeliki Karagiannidou, Marianna Tzannoudaki, Myrto Poulou, Anny Mertzanian, Maria Roubelakis G., Kalliope Stefanaki, Joanne Traeger-Synodinos, Emmanuel Kanavakis, Vasiliki Kitra, Maria Tzetis, Evgenios Goussetis. *Blood Cells, Molecules, and Diseases*, Volume 76, 2019, Pages 32-39, ISSN 1079-9796, <https://doi.org/10.1016/j.bcmd.2019.01.003>.